Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force										DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*				R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*							
COST ($ in Millions)	**FY 2011**	**FY 2012**	**FY 2013 Base**	**FY 2013 OCO**	**FY 2013 Total**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**Cost To Complete**	**Total Cost**
Total Program Element	430.132	455.095	318.992	-	318.992	221.276	215.224	161.621	76.642	Continuing	Continuing
676007: *DASS Integration, GPS*	-	2.143	1.795	-	1.795	2.688	1.452	1.314	1.331	Continuing	Continuing
67A019: *GPS III*	430.132	452.952	317.197	-	317.197	218.588	213.772	160.307	75.311	Continuing	Continuing

Note

The Cost to Complete and Total Cost for MDAP projects in this program element are documented in the R3. The Cost to Complete and Total Cost on the R2 are entered as "Continuing" and not reflective of the total cost for MDAP projects since the R2 does not account for prior years funding.

A. Mission Description and Budget Item Justification

The Global Positioning System (GPS) is a space based navigation system that fills validated Joint Service requirements for worldwide, accurate, common grid three dimensional positioning/navigation for military aircraft, ships, and ground personnel. The consistent accuracy, unaffected by location or weather and available in real time, significantly improves effectiveness of reconnaissance, weapons delivery, mine countermeasures and rapid deployment for all services.

The system is composed of three segments: user equipment (funded upder PE 0305164F), space (funded under this PE and PE 0305165F) and a control network (funded under PE 0305165F and PE 0603423F). The satellites broadcast high accuracy data using precisely synchronized signals which are received and processed by user equipment installed in military platforms. This equipment computes the platform position and velocity and provides steering vectors to target locations or navigation equipment installed in military platforms. The control segment provides daily updates to the navigation messages broadcast from the satellites to maintain system precision in three dimensions to 16 meters spherical error probable worldwide. Additionally, GPS supports the Unites States Nuclear Detonation (NUDET) Detection System (NDS) mission and provides strategic and tactical support to the following Department of Defense (DoD) missions: Joint Operations by providing capabilities for Positioning, Navigation, and Timing (PNT); Command, Control, Communications, and Intelligence; Special Operations; Military Operations in Urban Terrain; Defense-Wide Mission Support; Air Mobility; and Space Launch Orbital Support.

GPS III is the next generation space vehicle to join the GPS constellation. GPS III space vehicles will deliver significant enhancements, including a new civil (L1C) Galileo-compatible signal, enhanced anti-jam power, and affordable on-ramps to provide full warfighter capabilities (e.g., better signal maintainability (Digital Waveform Generator (DWG), Unified S-Band (USB), near-real time Command and Control) and the civil search and rescue payload (SAR/GPS). GPS III Satellite Vehicles (SVs) 03 - 08 are in the Production & Deployment Phase.

RDT&E, AF PE 0305265F funds for GPS III provides support research, development, test and evaluation of two GPS III space vehicles, SVs 01-02, and risk-reducing simulators through a structured systems engineering approach that matures and delivers space vehicles for launch. The program includes capability maturation and risk reduction efforts (Capability Insertion Program (CIP))to affordably develop follow-on performance parameters including the "advanced component development and prototype" engineering and development for full GPS III warfighter capability and "system development and design" post-PDR. For example, as a part of reducing the cost to orbit, CIP includes dual launch initiatives to support 2 (two) SV's launching on 1 (one) launch vehicle. Additionally the program includes engineering studies and analyses, trade studies, system development, test and evaluation efforts, integrated logistics support products, on-orbit support, and mission operations supporting

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*

civil applications that protect U.S. military and allies' use of GPS. SAR/GPS, previously known as Distress Alerting Satellite System (DASS), is an approved secondary payload on GPS III space vehicles beginning with SV 09. SAR/GPS will fill a validated National Search and Rescue Committee requirement to provide enduring, space-based distress alerting capability to detect, locate, and relay distress alerts to fulfill its responsibilities under international agreements for Search and Rescue.

This program is a Budget Activity 7 - Operational System Development because it supports operational systems (GPS).

B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	828.171	463.081	318.782	-	318.782
Current President's Budget	430.132	455.095	318.992	-	318.992
Total Adjustments	-398.039	-7.986	0.210	-	0.210
• Congressional General Reductions	-	-2.986			
• Congressional Directed Reductions	-	-5.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-12.792	-			
• Other Adjustments	-385.247	-	0.210	-	0.210

Change Summary Explanation

FY11: Congressional Directed Transfer to PE 0603423F, GPS III Operational Control Segment (-381.900); Congressional General Reduction: (-3.347), SBIR: (-12.792)

FY12: Congressional Directed Reduction for poor CIP justification: (-5.000), Congressional General Reduction: (-2.986)

Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 676007: *DASS Integration, GPS*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
676007: *DASS Integration, GPS*	-	2.143	1.795	-	1.795	2.688	1.452	1.314	1.331	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Search and Rescue GPS (SAR/GPS), previously known as Distress Alerting Satellite System (DASS), is an approved secondary payload on GPS III beginning with Satellite Vehicle (SV) 09. SAR/GPS fills validated National Search and Rescue Committee requirements to provide enduring, space-based distress alerting capability to detect, locate, and relay distress alerts to fulfill its responsibilities under international agreements for Search and Rescue.

In addition the USAF has on-going requirements to rescue its own personnel in harm's way per Air Force Doctrine Document 2-1.6. The implementation of a US Mid Earth Orbiting Search and Rescue Space Segment is via a Canadian-Provided 406 MHZ SAR repeater on GPS III satellites presents a cost effective opportunity with low risk to provide a SAR system that accommodates existing and planned 406 MHz beacons across the globe. USAF and USCG as the US operators of the civil COSPAS/SARSAT system, the international search and rescue system, share (50/50) costs associated with integrating Canadian provided SAR repeater to GPS III beginning with SV 09 in accordance with NSPD-39 which requires civil capabilities hosted on GPS satellites be funded by the appropriate civil agencies. Costs presented represent USAF 50% Share.

This program is in Budget Activity 7 - Operational Systems Development because it supports operational systems.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Title: SAR GPS	-	2.143	1.795
Description: MAJOR THRUST: GPS III space segment nonrecurring costs to add one SAR/GPS unit to each SV beginning at SV 09. ***FY 2012 Plans:*** Design and development of SAR/GPS antennas, associated hardware and cabling, and space vehicle software; system engineering associated with integrating SAR payload onto the GPS III SVs; system engineering and program management (SE/PM), Enterprise-level contractor System Engineering, Integration, Test, and Program Management (SEIT/PM). Costs do not include development and production of Canadian payload box. ***FY 2013 Plans:*** Design and development of SAR/GPS antennas, associated hardware and cabling, and space vehicle software; system engineering associated with integrating SAR payload onto the GPS III SVs; system engineering and program management (SE/PM), Enterprise-level contractor SEIT/PM. Costs do not include development and production of Canadian payload box.			
Accomplishments/Planned Programs Subtotals	-	2.143	1.795

Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 676007: *DASS Integration, GPS*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• P-19: *MPAF, PE 0305265F, GPS III Space Segment*	0.000	432.244	410.294	0.000	410.294	415.031	424.694	531.528	774.281	4,329.600	1,371.253
• P-20: *MPAF, PE 0305265F, GPS III Space Segment Advance Procurement*	0.000	81.811	82.616	0.000	82.616	74.167	117.855	119.993	121.828	1,058.200	312.015

D. Acquisition Strategy

SAR/GPS will be integrated as part of the GPS III program and follows the GPS III acquisition strategy with funding povided by USCG and USAF as the responsible civil organizations for US search and rescue.

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 676007: *DASS Integration, GPS*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Search and Rescue SAR/GPS	C/Various	Lockheed Martin:Newtown, PA	-	2.143	Nov 2011	1.795	Nov 2012	-		1.795	6.785	10.723	0.000
		Subtotal	-	2.143		1.795		-		1.795	6.785	10.723	0.000

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	-	-		-		-		-	0.000	0.000	0.000

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	-	-		-		-		-	0.000	0.000	0.000

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	-	-		-		-		-	0.000	0.000	0.000

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	2.143		1.795		-		1.795	6.785	10.723	0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 676007: *DASS Integration, GPS*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0305265F: *GPS III Space Segment*	**PROJECT** 676007: *DASS Integration, GPS*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
GPS III Delta Critical Design Review (CDR)	3	2014	3	2014

Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
67A019: *GPS III*	430.132	452.952	317.197	-	317.197	218.588	213.772	160.307	75.311	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

GPS III is the next generation space vehicle supporting the GPS constellation. GPS III space vehicles will deliver significant enhancements, including a new civil (L1C) Galileo-compatible signal, enhanced anti-jam power, and a growth path to full warfighter capabilities. GPS III Satellite Vechiles (SV's) 03 - 08 are in the Production & Deployment Phase.

Funds in this project are for GPS III SV's 01 - 08 and will support research, development, test and evaluation of two GPS III space vehicles (01 and 02) and associated simulators through a structured systems engineering approach that matures and delivers space vehicles for launch. The program includes capability maturation and risk reduction efforts (Capability Insertion Program (CIP)) to affordably develop follow-on performance parameters for example as part of reducing the cost to orbit, CIP will include dual launch initiatives to support 2 (two) SV's launching on 1 (one) launch vehicle. Additionally, the program includes engineering studies and analyses, trade studies, system development, test and evaluation efforts, integrated logistics support products, on-orbit support, and mission operations supporting civil applications that protect U.S. military and allies' use of GPS.

Funds in this PE for GPS III SV's 09 and beyond include the "advanced component development and prototype" engineering and development for full GPS III warfighter capabilities and system development and design post-PDR.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Title: GPS III	380.832	427.052	284.497
Description: Development, test and evaluation of two GPS III space vehicles and associated simulators, engineering studies and analyses, trade studies, system development, test and evaluation efforts, and integrated logistics support products. ***FY 2011 Accomplishments:*** GPS III space vehicle development, SE&I, technical and program support. ***FY 2012 Plans:*** GPS III space vehicle development, SE&I, technical and program support. ***FY 2013 Plans:*** GPS III space vehicle development, SE&I, technical and program support.			
Title: Capability Insertion Program (CIP)	49.300	25.900	32.700

Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Description: GPS III CIP addresses issues related to design, systems engineering, program management, obsolescence, and efficiencies through Preliminary Design Review (PDR) for future GPS SVs beyond SV-8. Focus on capability maturation and risk reduction. ***FY 2011 Accomplishments:*** Addressed affordability/obsolescence issues and initial system designs of future capabilities, capability maturation and risk reduction efforts. ***FY 2012 Plans:*** Address affordability/obsolescence issues and initial system designs of future capabilities, capability maturation and risk reduction efforts. ***FY 2013 Plans:*** Address affordability/obsolescence issues and initial system designs of future capabilities, capability maturation and risk reduction efforts.			
Accomplishments/Planned Programs Subtotals	430.132	452.952	317.197

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• P-19: *MPAF, PE 0305265F, GPS III Space Segment*	0.000	432.244	410.294	0.000	410.294	415.031	424.694	531.528	774.281	Continuing	Continuing
• P-20: *MPAF, PE 0305265F, GPS III Space Segment Advance Procurement*	0.000	81.811	82.616	0.000	82.616	74.167	117.855	119.993	121.828	Continuing	Continuing
• TBD: *DOT (FAA)*	18.900	24.500	27.500	0.000	27.500	17.000	8.100	1.500	1.300	Continuing	Continuing

D. Acquisition Strategy

The GPS III next generation space segment rapidly and affordably responds to warfighter capability requirements. The acquisition approach utilizes a disciplined systems engineering approach which focuses on mitigating cost and schedule risk through a lower risk incremental delivery of mature technologies. This approach focuses on mission success and on time delivery. The GPS III satellites will have GPS IIF capabilities plus up to a 3x - 8x increase in anti-jam signal power, 3x improved accuracy, 3+ year increased design life, a new civil (L1C) signal compatible with the European Galileo system and a satellite bus capable of supporting future Satellite Vehicles (SVs) capability additions. The "system development and design" of these capability additions will commence following the Milestone B approval of the GPS III acquisition strategy update for SV 09+.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Block III Development	C/Various	Lockheed Martin:Newtown, PA	1,099.034	392.368	Nov 2011	278.187	Nov 2012	-		278.187	886.294	2,655.883	0.000
SE&I	C/CPAF	SAIC:Huntington Beach, CA	17.107	3.993	Nov 2011	4.540	Nov 2012	-		4.540	14.464	40.104	0.000
Modernization/SE & Technical Support	Various	Various:Various,	64.722	27.765	Nov 2011	7.980	Nov 2012	-		7.980	25.424	125.891	0.000
		Subtotal	1,180.863	424.126		290.707		-		290.707	926.182	2,821.878	0.000

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Directorate Support	Various	Various:Various, CA	49.974	15.860	Dec 2011	3.162	Nov 2012	-		3.162	10.074	79.070	0.000
		Subtotal	49.974	15.860		3.162		-		3.162	10.074	79.070	0.000

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	-	-		-		-		-	0.000	0.000	0.000

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Engineering Support (FFRDC)	RO	Aerospace:El Segundo, CA	34.218	12.966	Jan 2012	5.660	Nov 2012	-		5.660	18.033	70.877	0.000
Program Managment Administration (PMA)	Various	Various:Various,	-	-		17.668	Nov 2012	-		17.668	56.290	73.958	0.000
		Subtotal	34.218	12.966		23.328		-		23.328	74.323	144.835	0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*	

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,265.055	452.952		317.197		-		317.197	1,010.579	3,045.783	0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0305265F: *GPS III Space Segment*	PROJECT 67A019: *GPS III*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0305265F: *GPS III Space Segment*	**PROJECT** 67A019: *GPS III*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
GPS III SV 03 - 08 Milestone C	1	2011	1	2011
GPS III SV 09+ delta Preliminary Design Review (dPDR)	4	2012	4	2012
GPS Non-Flight satellite test-bed (GNST) delivery	2	2013	2	2013
GPS III Satellite Vehicle (SV) 01 Complete Thermal Vacuum Testing	4	2013	4	2013
GPS III Satellite Vehicle (SV) 01 available for launch	3	2014	3	2014
GPS III SV 09+ delta Critical Design Review (dCDR)	3	2014	3	2014
GPS III SV 02 available for launch	2	2015	2	2015